**1** Communications of the ACM: Volume 51 Issue 1

January 2008 Communications of the ACM

**Publisher:** ACM

Full text available: Digital Edition , Pdf (5.97 MB) Additional Information: full citation

**Bibliometrics**: Downloads (6 Weeks): 673, Downloads (12 Months): 3166, Dov

**2** Side-channel resistant system-level design flow for public-key crypto

Kazuo Sakiyama, Elke De Mulder, Bart Preneel, Ingrid Verbauwhede

March 2007 **GLSVLSI '07:** Proceedings of the 17th ACM Great Lakes sym

**Publisher:** ACM Request Permissions

Full text available: Pdf (650.57 KB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 7, Downloads (12 Months): 42, Downloa

In this paper, we propose a new design methodology to assess the risk timing analysis and simple power analysis, at an early design stage. Thi elliptic curve cryptographic ...

**Keywords**: elliptic curve cryptography, side-channel attack, system-lev

**3** Reconfigurable computing: a survey of systems and software

Katherine Compton, Scott Hauck

June 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 2

**Publisher:** ACM Request Permissions

Full text available: Pdf (710.56 KB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 122, Downloads (12 Months): 883, Dowr

Due to its potential to greatly accelerate a wide variety of applications, subject of a great deal of research. Its key feature is the ability to perfo performance, while retaining ...

**Keywords**: Automatic design, FPGA, field-programmable, manual desig reconfigurable computing, reconfigurable systems

**4** A survey of RFID privacy approaches

Marc Langheinrich

August 2009 **Personal and Ubiquitous Computing** , Volume 13 Issue 6

**Publisher:** Springer-Verlag

Full text available: Pdf (308.39 KB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 220, Downloads (12 Months): 350, Dowr

A bewildering number of proposals have offered solutions to the privacy This article tries to give an overview of the currently discussed approacl

**Keywords**: Privacy, RFID

5 On the power of simple branch prediction analysis
Onur Aciiçmez, Çetin Kaya Koç, Jean-Pierre Seifert
March 2007 **ASIACCS '07:** Proceedings of the 2nd ACM symposium on In security
**Publisher:** ACM Request Permissions
Full text available: Pdf (3.40 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 16, Downloads (12 Months): 95, Downlo

Very recently, a new software side-channel attack, called Branch Predic discovered and also demonstrated to be practically feasible on popular c recent attack still had the flavor ...

**Keywords**: RSA, branch prediction analysis, modular exponentiation, s

6 MAX: Wide area human-centric search of the physical world
Kok-Kiong Yap, Vikram Srinivasan, Mehul Motani
August 2008 **Transactions on Sensor Networks (TOSN)** , Volume 4 Issue 4
**Publisher:** ACM Request Permissions
Full text available: Pdf (6.03 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 22, Downloads (12 Months): 203, Downl

We propose MAX, a system that facilitates human-centric search of the a priori, it allows humans to search for and locate them as needed. Des centric operation, ...

**Keywords**: Human-centric, landmark-based localization, physical worlc

7 Proceedings of the 2005 ACM symposium on Applied computing
Hisham M. Haddad, Andrea Omicini, Roger L. Wainwright, Lorie M. Liebrock
March 2005 **SAC '05:** Proceedings of the 2005 ACM symposium on Applie
**Publisher:** ACM
Additional Information: full citation, abstract

**Bibliometrics**: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

Welcome to the 20th Annual ACM Symposium on Applied Computing (S of Mining and Technology, Socorro, New Mexico, USA. As the Conferenc committee, thank you for participating ...

8 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, R
August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
**Publisher:** ACM Request Permissions
Full text available: Pdf (17.07 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 131, Downloads (12 Months): 1050, Dov

Level set methods, an important class of partial differential equation (PI implicitly as the level set (iso-surface) of a sampled, evolving nD functic material that introduces the ...

**9** The elements of nature: interactive and realistic techniques
Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemysl Tessendorf
August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
**Publisher:** ACM Request Permissions
Full text available: Pdf (17.65 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 220, Downloads (12 Months): 1551, Dov

This updated course on simulating natural phenomena will cover the lat simulating most of the elements of nature. The presenters will provide r research perspectives ...

**10** GPGPU: general purpose computation on graphics hardware
David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia
August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
**Publisher:** ACM Request Permissions
Full text available: Pdf (63.03 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 244, Downloads (12 Months): 1625, Dov

The graphics processor (GPU) on today's commodity video cards has ev processor. The latest graphics architectures provide tremendous memor with fully programmable vertex ...

**11** Design, implementation and testing of extended and mixed precision
Xiaoye S. Li, James W. Demmel, David H. Bailey, Greg Henry, Yozo Hida, J Anil Kapur, Michael C. Martin, Brandon J. Thompson, Teresa Tung, Daniel J.
June 2002 **Transactions on Mathematical Software (TOMS)** , Volume
**Publisher:** ACM Request Permissions
Full text available: Pdf (456.84 KB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 10, Downloads (12 Months): 87, Downlo

This article describes the design rationale, a C implementation, and con Standard for the BLAS (Basic Linear Algebra Subroutines): Extended an internal precision and mixed ...

**Keywords**: BLAS, double-double arithmetic, extended and mixed preci

**12** A review of vessel extraction techniques and algorithms
Cemil Kirbas, Francis Quek

June 2004 **Computing Surveys (CSUR)** , Volume 36 Issue 2
**Publisher:** ACM Request Permissions
Full text available: Pdf (8.06 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 89, Downloads (12 Months): 699, Downl

Vessel segmentation algorithms are the critical components of circulato a survey of vessel extraction techniques and algorithms. We put the var techniques in perspective ...

**Keywords**: Magnetic resonance angiography, X-ray angiography, medi

**13** The data mining approach to automated software testing
Mark Last, Menahem Friedman, Abraham Kandel
August 2003 **KDD '03:** Proceedings of the ninth ACM SIGKDD internationa mining
**Publisher:** ACM Request Permissions
Full text available: Pdf (296.40 KB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 53, Downloads (12 Months): 338, Downl

In today's industry, the design of software tests is mostly based on the are limited to execution of pre-planned tests only. Evaluation of test out effort by human ...

**Keywords**: automated software testing, finite element solver, info-fuzz testing

**14** A system for understanding imaged infographics and its applications
Weihua Huang, Chew Lim Tan
August 2007 **DocEng '07:** Proceedings of the 2007 ACM symposium on Dc
**Publisher:** ACM Request Permissions
Full text available: Pdf (1.13 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 14, Downloads (12 Months): 59, Downlo

Information graphics, or infographics, are visual representations of infor infographics in documents is a relatively new research problem, which t appear as raster images. ...

**Keywords**: applications, association of text and graphics, document im

**15** Artistic screening
Victor Ostromoukhov, Roger D. Hersch
September 1995 **SIGGRAPH '95:** Proceedings of the 22nd annual conferen techniques
**Publisher:** ACM Request Permissions
Full text available: Pdf (4.15 MB) Additional Information: full citation, rate

**Bibliometrics**: Downloads (6 Weeks): 6, Downloads (12 Months): 44, Downloa

**Keywords**: artistic screening, graphic design, halftoning, image reprod

**16** Shrouds: optimal separating surfaces for enumerated volumes
Gregory M. Nielson, Gary Graf, Ryan Holmes, Adam Huang, Mariano Phelip
May 2003 **VISSYM '03:** Proceedings of the symposium on Data visualis
**Publisher:** Eurographics Association
Full text available: Pdf (1.58 MB) Additional Information: full citation, abst

**Bibliometrics**: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Download

We describe new techniques for computing a smooth triangular mesh su consisting of a collection of points from a 3D rectilinear grid. The surfac by a marching cubes ...